

L 05223-67

ACC NR: AP6027425

system under the effect of a constant external pressure  $p_0$ . The density of the pipe material is assumed to be constant while that of the internal core depends only on time (is independent of position). It is further assumed that pressure  $p_0$  is so great (of the order of pressures in a detonation wave front) that the motion of the material in both elements conforms to the hydrodynamic laws for a nonviscous liquid. The density, internal pressure and velocity of the pipe and core elements are determined. The results indicate that the assumptions are not realistic since velocity is independent of time and the moment when motion ceases cannot be determined. The solution indicates that the radius of the core may reach zero so that the whole mass is concentrated at the axis. Actually the shockwave is reflected when it reaches the axis and the following rarefaction wave may fracture the core material as is frequently observed in experiments. The concept of homogeneous density must be given up to bring the results into agreement with experimental data. Orig. art. has: 4 figures, 36 formulas.

SUB CODE: 20/ SUBM DATE: None

Card 2/2 gd

L 05222-67 EWP(a) WH/WB  
ACC NR: A6027426

SOURCE CODE: P0/0095/66/014/006/0597/0601

AUTHOR: Wolpe, M. — Vol'pe, M.; Lunc, M. — Lunts, M.

ORG: Department of Plasma Physics and Technique, Institute of Nuclear Research,  
Warsaw-Swierk (Zaklad Fizyki i Techniki Plazmy, Instytut Badan Jadrowych)TITLE: Analysis of the motion of a ring-core system compressed by detonation. II.  
The case of a graphite coreSOURCE: Polska akademia nauk. Bulletin. Serie des sciences techniques, v. 14, no. 6,  
1966, 597-601

TOPIC TAGS: superhigh pressure, detonation, graphite, SHELL STRUCTURE STABILITY

ABSTRACT: The authors consider implosion of a thick-walled pipe surrounding a graphite core. The experimental relationship between pressure and density is shown in the diagram where  $w=1/p$ . This diagram gives the approximate expressions  $p = A_1 - B_1 w$ , for  $w_1 \geq w \geq w_{1+1}$ . Experimental values for the coefficients are given in Table I. No experimental data are available for  $w < w_3 = 0.21$ . Formulas are derived for determining the moment when the motion stops, i. e.

Table I

I	A <sub>I</sub>	B <sub>I</sub>	w <sub>I</sub>
1	0.963	2.14	0.450
2	4.775	16.0	0.275
3	0.6	0	0.261
4	5.4	21.33	0.225

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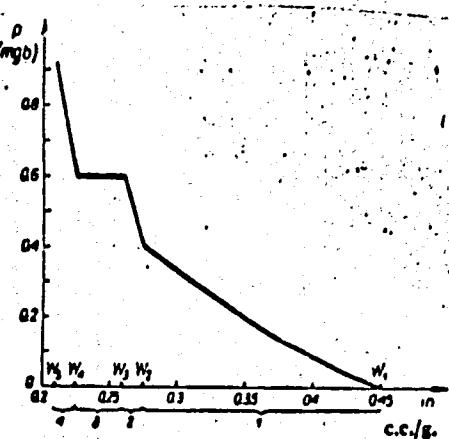


Table 2

 $\rho$  in g./cm.<sup>3</sup>,  $p$  — in megabars

	$n$	$w_{min}$	$\bar{c}_{max}$	$P_{max}$
$P_0 = 0.1$	1	0.362	2.759	0.187
	1.2	0.300	3.333	0.321
	1.5	0.255	3.922	0.600
	2.0	0.215	4.651	0.814
$P_0 = 0.2$	1.0	0.261	3.831	0.600
	1.2	0.227	4.393	0.600
	1.5	0.190	5.263	1.347
	2.0	0.155	6.451	2.094
$P_0 = 0.25$	1.0	0.232	4.301	0.600
	1.2	0.195	5.128	1.241
	1.5	0.170	5.882	1.774

when the derivative of the radius of the graphite core with respect to time is zero. It is shown that maximum pressure is independent of wall thickness. When internal pressure is held constant, maximum pressure increases with the difference

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between the initial internal radius of the pipe and the radius of the core. Results are shown in Table II where  $p_0$  is the internal pressure and  $n$  is the ratio of the cross sectional area of the volume enclosed by the pipe to the cross sectional area of the core. Orig. art. has: 4 figures, 4 tables, 7 formulas.

SUB CODE: 20/ SUBM DATE: None/ ORIG REF: 001/ OTH REF: 001/ SOV REF: 001

VOL'PE, M.M.

Effectiveness of Forrist's test in the control of aminazine dosage.  
Zhur. nevr.i psikh. 61 no.2:232-235 '61. (MIRA 14:6)

l. 3-ya psikhoneurologicheskaya bol'nitsa imeni Skvortsova-Stepanova  
(glavnnyy vrach N.D.Bulkin), Leningrad.  
(CHLORPROMAZINE)

VOL'PE, R.I.

Use of departmental materials in indentifying more precisely the  
characteristics of wells and springs. Geod. i kart. no. 10:35-  
36 O '60. (MIRA 13:12)  
(Topographical surveying) (Water supply)

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860720011-5

VOL'PE, R.I.

Requirements for the content of topographical maps in road construction.  
Trudy TSNIIGAIK no.161:62-66 '63. (MIRA 17:12)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860720011-5"

8/035/62/000/008/067/090  
A001/A101

AUTHORS: Vol'pe, R. I., Podobedov, N. S.

TITLE: Topographic deciphering of aerial photographs in making maps of  
1 : 10,000 and 1 : 25,000 scales

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 8, 1962, 18,  
abstract 80160 K (Moscow, Geodesizdat, 1961, 256 pp, ill., maps,  
1 r..4 k)

TEXT: General information is given on aerial photography of country, main  
properties of images of ground surface objects on aerial photographs, and general  
characteristics of aerial photographic materials. Devices used in deciphering  
aerial photographs are described, as well as methods and organization of work in  
topographic deciphering. Considerable attention is paid to topographic deciphering  
of aerial photographs on the basis of elements of their contents, description  
of operational procedure employed, and rules for presentation of material. ✓

N. Bruyevich

[Abstracter's note: Complete translation]

Card 1/1

8/006/60/000/06/10/025  
B007/B005

AUTHOR: Vol'pe, R. I.

TITLE: Keeping Topographic Maps up to Date

PERIODICAL: Geodeziya i kartografiya, 1960, No. 6, pp. 39 - 42

TEXT: The charting and delineation of topographic maps is done at present on the scales of 1 : 25,000, 1 : 50,000, and 1 : 100,000. Several years lie between the topographic survey and the making of original maps on a smaller scale (1 : 100,000). Great changes occur often in the meantime. In this connection, it is pointed out that certain changes should be entered on map compilation and the final compilation of topographic maps during their preparation. To illustrate the great extension of such changes, the partial dissolution of MTS and LMS (lugo-meliorativnaya stantsiya (Meadow Amelioration Stations)) and the formation of RTS is pointed out. In July 1958, the GUGK in Moscow held a conference of the heads of stereotopo-graphic and cartographic workshops and senior engineer editors of aero-geodetical enterprises. The agenda included the improvement of quality and technology in the production of topographic maps and the improvement

Card 1/2

Keeping Topographic Maps up to Date

S/006/60/000/06/10/025  
B007/B005

of the organization and performance of editorial work. The conference obliged the editors to collect data concerning changes in due time. It was suggested to keep maps in which all changes are entered constantly. At the Moskovskiy (Moscow) AGP, this work is carried out by G. V. Kerber and A. M. Kuz'min, workers of the cartographic workshop, under the direction of the senior engineer editor of the enterprise. Principal attention is paid to the current inspection of final compilations. This group of two persons collect all reference books, manuals on the administrative division of the USSR, RSFSR, of the oblast', kray and ASSR, further all communications of the RIO VTS, the NRKCh, all maps, the manual of sovkhoz, the publications of the MPS SSSR (USSR). As official data are insufficient, inquiries are constantly addressed to various organizations such as MTS, RTS, Gushosdor, Gidroprojekt, Gidroenergo-projekt etc. It is pointed out that the maps of 1 : 100,000 of the departments of Gosgeonadzor and TsKGF in which the changes are entered do not meet the demands made on large-scale mapmaking.

Card 2/2

VOLPE, R.I.

Compiling materials for the edition of topographic maps. Good.  
1 kart. no.11:51-56 N '58. (MIRA 11:12)  
(Cartography)

VOL'PE, R.I.; ZHEMKOV, A.S.

Some problems in the revision of topographic maps. Geod. i  
kart. no. 12:25-30 D '60. (MIRA 14:1)  
(Topographic maps)

3(4)

AUTHOR:

Vol'pe, R. I.

SOV/6-58-11-7/15

TITLE:

On the Collection of Evidence for the Compilation of Topographical Maps (O sbore materialov dlya redaktirovaniya topograficheskikh kart)

PERIODICAL:

Geodeziya i kartografiya, 1958, Nr 11, pp 51-56 (USSR)

ABSTRACT:

This is a presentation of the experience collected by the editing staff of the topographical field department of the Moskovskoye aerogeodezicheskoye predpriyatiye (Moscow Aerial Surveying Authority). This covers the experience concerning the collection of evidence during the period of preparation and during seasonal field work, on preliminary instructions for editing work, directions for the executive staff, and on the subsequent reviewing of topographical maps, topographical descriptions and the report. At first the problem of preparatory work is approached, then the order of collecting evidence and the preparation of documents is described. For the determination of the correct spelling of names recourse should be made to the handbooks for the Administration of the USSR and for the RSFSR (1958 and 1955) and of the other republics. Some of these are obsolete and erroneous. Names

Card 1/3

On the Collection of Evidence for the Compilation of SOV/6-58-11-7/15  
Topographical Maps

should be determined by turning to the Rayispolkom (Rayon Executive Committee). The collaborators of the Rayotdel TsSU (Rayon Department of the Central Statistical Administration) are in possession of place name registers. Next experience is described concerning the establishment of administration borderlines. The service maps of the OGGN are often inaccurate and erroneous. In establishing data concerning railway lines and highways the following sources are to be used: The album of railroad lines of the USSR, the railroad map of the USSR, the Official Time Table for Passenger Traffic, and the list of railroad stations of the USSR. Data on highways are to be collected from the dorozhno-ekspluatatsionnyy uchastok (DEU) (Road Operating Section) which cares for the streets. Information concerning the hydrographical net can be collected from geographical literature, from handbooks and atlases, of which many, however, are already obsolete. Valuable information is to be got from the "Gidrologicheskiy yezhegodnik" (Hydrological Yearbook). Data on the fauna can be collected from descriptive sources, and from the faunal map of the USSR on a scale of 1 : 4,000,000.

Card 2/3

On the Collection of Evidence for the Compilation of SOV/6-58-11-7/15  
Topographical Maps

and on the plant map of the European part of the USSR on a  
scale of 1 : 2,500,000.

Card 3/3

2(4)  
AUTHOR:

Vol'pe, R. I.

SOV/6-59-3-9/16

TITLE:

On How to Mark Swamps and Swamped Grounds on Topographic Maps  
(O pokaze na topograficheskikh kartakh bolot i zabolochennykh  
zemel')

PERIODICAL:

Geodeziya i kartografiya, 1959, Nr 3, pp 51-53 (USSR)

ABSTRACT:

The difficulties are pointed out, arising from the unequal precipitation quantities in different years. Unexperienced topographers record the conditions which they happen to find. Difficulties are made greater by the fact that no explanation on the topic can be found in the directions of topographic surveying. In the present paper the following definition of a swamp is suggested, as was adopted in 1934 at the All-Union Conference on the swamp land-register: "a swamp is a section of the earth surface with an excess of humidity and covered by a peat layer of at least 30 cm in humid state and 20 cm in dry state". Interpreted in a somewhat broader sense, this definition should be accepted in the directions of topographic surveying. The mark denoting swamplands should also apply to grounds flooded seasonally and which therefore possess no noticeable peat layer. The topographic map 1 : 10,000 (published

Card 1/2

On How to Mark Swamps and Swamped Grounds on Topo-  
graphic Maps

SOV/6-59-3-9/16

in 1954 and 1956) has various shade linings for swamped areas and passable swamps. The instructions dealing with swamped grounds, however, do not carry any mention at all. Therefore, the mark referring to swamped grounds must be different from the one denoting passable swamps. At some aerogeodetic enterprises in the last years, the shade linings for swamped grounds were green-colored, and those for passable swamps were blue-colored. This solution was much appreciated by co-workers. Marking the outer boundaries of swamps is also important. The most suitable way is to dot the boundary, but only in those cases in which it is easily recognizable in the zone and when it can be clearly located by aerial photography. There are 1 figure and 1 Soviet reference.

Card 2/2

3(2)

SOV/6-59-4-9/20

AUTHORS: Vol'berg, L. P., Vol'pe, R. I., Pakaln, Ya. K.

TITLE: Method and Working Organization for the Renewal of Topographic Maps (O metodike i organizatsii rabot po obnovleniyu topograficheskikh kart)

PERIODICAL: Geodeziya i kartografiya, 1959, Nr 4, pp 31-35 (USSR)

ABSTRACT: Considering the immense increase in the building activity in all sectors of national economy, a systematic renewal of topographic maps in series is necessary. When the renewal of these maps was started in 1957, only a few copies of the project of regulations for the renewal of topographic maps on scales of 1 : 25000, 1 : 50000 and 1 : 100000 were available. These regulations, however, cannot be used for a renewal of maps on a large scale. Some deliberations for the organization and methods of renewal of topographic maps are brought here. The experience, particularly in 1958, showed that such a renewal should be carried out primarily on the basis of aerophotographic plans composed according to aerial photographs of the latest photographic flights. In advance, the relief of the map to be renewed must be transferred to these aerophotographic plans. The spatial model of the landscape can be directly obtained on the aerophotographic plan according to

Card 1/3

SOV/6-59-4-9/20

## Method and Working Organization for the Renewal of Topographic Maps

the procedure suggested by V. I. Argentov and V. I. Buraya which also improves the quality of the product. Concerning the experience in the renewal of the aerophotographic plans on a scale of 1 : 10000 on the basis of earlier aerophotographic plans, reference is taken to the paper by N. M. Pazel'skiy (Ref 1). All geodetic, cartographic, statistic, and descriptive papers available at various authorities, local organizations and administrations, should be most carefully collected. But - as the working experience of the topographical squads of the MACP shows - even under these conditions it is, in a number of cases, not possible to prepare aerophotographic plans on the basis of aerial photographs of latest photographic flights in indoor service only. Besides, the experience shows that the aerial photographs for the renewal of topographic maps should be made one year before starting the field work. The experience of 1958 showed that the data of the aerial photograph arrive much too late if the aerial photograph is made in the same year as the renewal of the map. Some deliberations concerning the organization of the work for the renewal of maps by the topographical squads are brought here. The times are indicated according to experience. A topographical brigade

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SCV/6-50-4-9/20

Method and Working Organization for the Renewal of Topographic Maps

occupied with the renewal of maps should comprise 2 - 4 workers besides the topographer. To improve the organization it is suggested to subdivide the work. In the transfer of the relief representation from the original of the map to be renewed to the aerophotographic plan, devices for optical design should be used to increase the capacity. Such devices are much in use in the subsections of the VTS, but they are missing in the topographical squads at present. All preparatory work can be done by the indoor service in winter. To avoid waiting time, a new organization of the work by the brigades is suggested in two variants according to difficulties, geographical conditions, map scale, experience of the topographer, and means of transportation by car, as well as road systems.

There is 1 Soviet reference.

Card 3/3

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860720011-5

VOL/PFS.

The resistance changes because of the increase of temp.  
caused by the reaction on the wire surface. Accuracy is  
within 10%.

N. Vantil

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860720011-5"

AUTHOR:

Vol'pe, R. I.

SOV/6-58-8-10/15

TITLE:

On the Coordination of Water-Level Marks in Rivers With a Large Number of Dams and on the Representation of Large Reservoirs on Topographical Maps (Ob uvyazke otmetok urezov vody v rekakh s bol'shim chislom plotin i ob izobrazhenii na topograficheskikh kartakh krupnykh vodokhranilishch)

PERIODICAL:

Geodeziya i kartografiya, 1958, Nr 8, pp. 55-59 (USSR)

ABSTRACT:

Several special cases are investigated which are connected with the recording of objects of the hydrographical network. The particular and characteristic features of the coordination of water-level marks in rivers with a large number of dams of inter-kolkhozes and kolkhoze hydraulic power plants, water- and sawmills are described. - With respect to the representation of large reservoirs the author voices the opinion that it is expedient to plot that bank line which corresponds to the level of the normal retained water level in the reservoir. It is demanded that regulations be amended in this sense. There are 1 figure and 2 references, which are Soviет.

Card 1/2

On the Coordination of Water-Level Marks in Rivers  
With a Large Number of Dams and on the Representation  
of Large Reservoirs on Topographical Maps

SOV/6-58-8-10/15

1. Inland waterways--USSR    2. Mapping

Card 2/2

VOL'PE, R.I.

Keeping track of current changes for the correction of  
topographic maps. Geod.i kart. no.6:39-42 Je '60.  
(MIRA 13:7)

(Topographic maps)

VOL'PE, Rem Isaakovich; PODOBEDOV, Nikolay Sergeyevich; TROITSKIY, B.V.,  
retsenzent; ARDAB'YEVA, Ye.I., red.; SHAMAROVA, T.A., red. izd-  
va; SUNGUROV, V.S., tekhn. red.

[Topographical interpretation of aerial photographs in the compila-  
tion of maps at scales of 1:10 000 and 1:25 000] Topograficheskoe  
deshifrirovanie aerosnimkov pri sozdanií kart masshtabov 1:10 000  
i 1:25 000. Moskva, Izd-vo geodez. lit.-ry, 1961. 255 p.  
(MIRA 15:2)

(Photographic interpretation)

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860720011-5

PAVLOV, P.P.; KULIKOV, B.A.; RIVIMSKIY, V.A.; VOL'PE, S.M.

Determining the permissible current load for a single conductor of  
the KTO-4 logging cable. Energ.biul. no.10:1-3 O '58.  
(MIRA 11:11)

(Electric cables)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860720011-5"

SOV/112-58-1-43

Translation from: Referativnyy zhurnal, Elektrotehnika, 1958, Nr 1, p 4 (USSR)

AUTHOR: Ruvinskiy, V. A., and Vol'pe, S. M.

TITLE: Electric Safety Measures in Construction and Installation Work on Marine Foundations and Trestles (Mery elektrobezopasnosti pri stroitel'nomontazhnykh rabotakh na morskikh osnovaniyakh i estakadakh)

PERIODICAL: Tr. Vses. n.-i. in-ta po tekhn. bezopasnosti, 1956, Nr 9, pp 91-102

ABSTRACT: Bibliographic entry.

AVAILABLE: Library of Congress

1. Marine engineering    2. Electricity--Safety measures

Card 1/1

VOLPE, S.M.

V 4581. PORTABLE INSTRUMENT FOR DETERMINATION OF SMALL CONCENTRATIONS OF COMBUSTIBLE IMPURITIES IN AIR. Zalichenko, V.N. and Vol'pe, S.M. (frud. Vsesoyuz. nauch.-issled. Inst. Tekh. Bezopast. neft. Prom. TPGO. All-Union Sci.-Res. Inst. Saf. Oil Ind., U.S.S.R.), 1954, (7), 71-81; abstr. in Ref. Zh. Khim. (Ref. J. Chem., Moscow), 1955, (20), 48107. The instrument is of the type in which the rise in temperature and hence resistance of a platinum wire due to the oxidation of gasoline vapour indicates the concentration of gasoline vapour in the air. Concentrations of 0.1 mg/l. and over are indicated. (1)

RUVINSKIY, V.A.; VOL'PE, S.M.

Safe method for determining the absence of voltage on the current-conducting parts of equipment in explosion-hazardous places. Trudy VNIITB no.11:53-62 '59. (MIRA 15:5)  
(Electric apparatus and appliances--Safety measures)

VOL'PE, Vladimir Maksimovich; KLUPT, Veniamin Solomonovich

[Lectures on the economic geography of the U.S.S.R.] Lektsii po ekonomicheskoy geografii SSSR [Leningrad] Izd-vo Leningradskogo universiteta, Pt. 1. [General features of the economic geography of the country]. Obshchaya ekonomiko-geograficheskaya kharakteristika strany. 1957. (MIRA 11:6)

(Geography, Economic)

VOL'PE, Vladimir Maksimovich; KLUPT, Veniamin Solomonovich  
[deceased]; PETROVSKAYA, T.I., red.

[Lectures on the economic geography of the U.S.S.R.]  
Lektsii po ekonomicheskoi geografii SSSR. Leningrad,  
Izd-vo Leningr. univ. Pt.3. 1964. 126 p.  
(MIRA 17:4)

VOL'PE, VLADIMIR MAKSIMOVICH

N/5  
521.8  
.V9

LEKTSII PO EKONOMICHESKOY GEOGRAFII SSSR (USSR COMMERCIAL GEOGRAPHY LECTURES,  
BY) V. M. VOL'PE (1) V. S. KLUPT. (LENINGRAD?) IZD-VO LENINGRADSKOGO UNIVERSITETA,  
1957-

V. TABLES.

AT HEAD OF TITLE: LENINGRAD.

FINANSOVO-EKONOMICHESKIY INSTITUT.

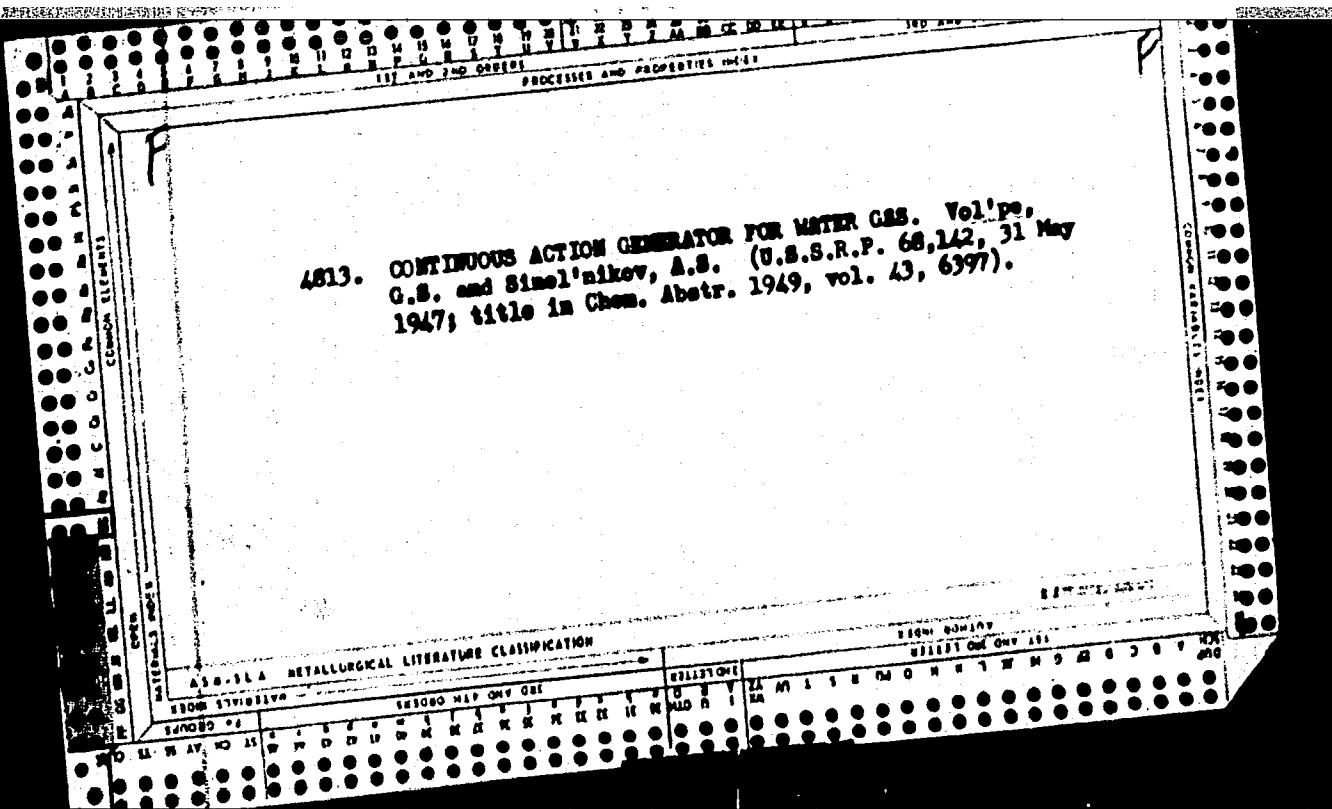
KAFEDRA EKONOMICHESKOY GEOGRAFII.

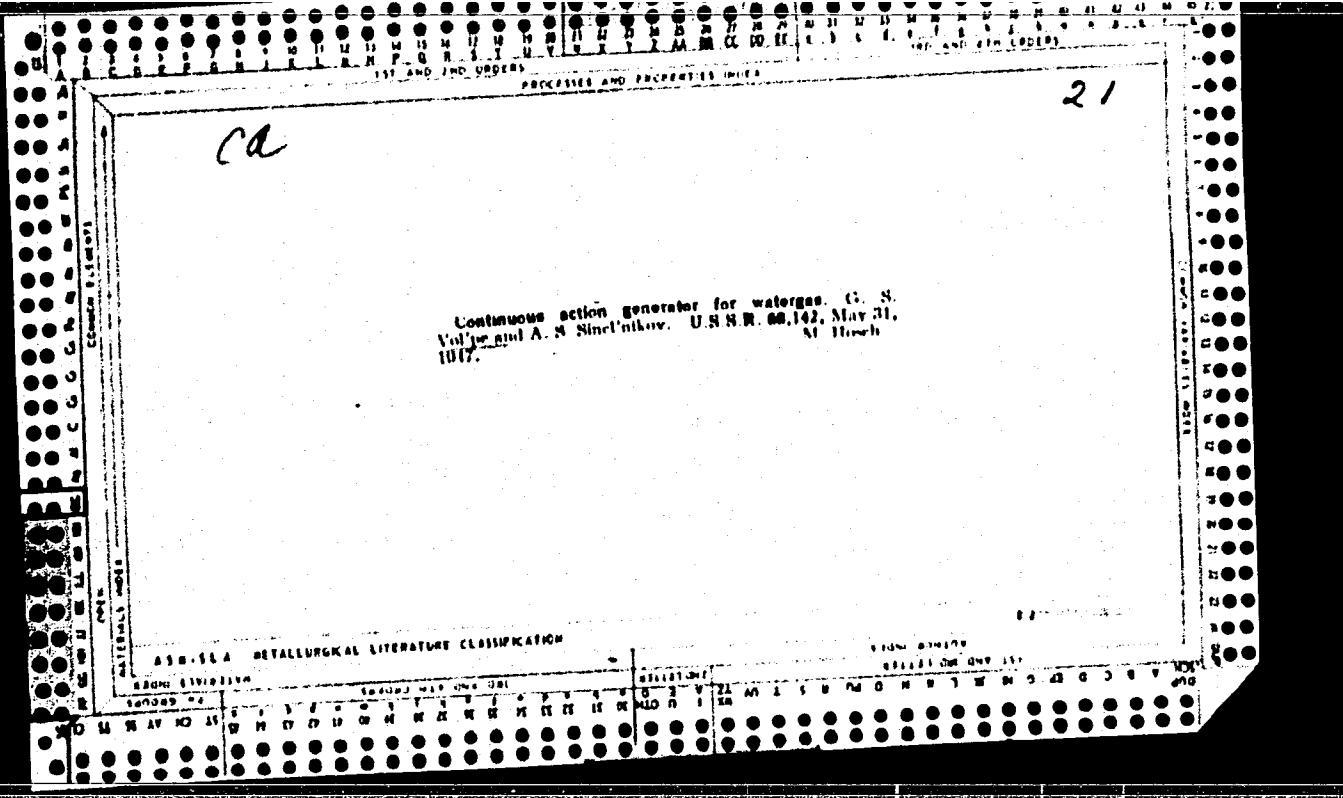
BIBLIOGRAPHICAL FOOTNOTES.

LIB. HAS: PTT 1

VOL'PE, Ye.A., PLATONOVА, A.A.; UGRIMOVА, R.P.

Electrocoagulation conducted under ambulatory conditions and its  
late results in nonhealing erosions of the cervix uteri. Akush.  
i gin. 36 no.3:69-70 My-Je '60. (MIRA 13:12)  
(UTERUS--DISEASES) (ELECTROCOAGULATION)





VOL'PER, D. B.

PAVLENKO, G. L.; VOL'PER, D.B.

Modulus of deformation of concrete and reinforced stanchions  
subjected to longitudinal bending. Dop. AN URSR no.2:126-129  
'57. (MLRA 10:5)

1. Dnipropetrovs'kiy metalurgiyniy institut. Predstaviv akademik  
AN URSR O.M. Savin.  
(Reinforced concrete) (Elasticity)

L 10705-67 EWT(m)  
ACC NR: AP6030745

(A)

SOURCE CODE: UR/0198/00/002/003/00;7/0050

AUTHOR: Pavlenko, G. L. (Dnepropetrovsk); Vol'per, D. B. (Dnepropetrovsk)

15

ORG: Dnepropetrovsk Metallurgical Institute (Dnepropetrovskiy metallurgicheskiy institut)

TITLE: Experimental investigation of the stability of parabolic arches made of  
reinforced concrete

SOURCE: Prikladnaya mekhanika, v. 2, no. 8, 1966, 47-50

TOPIC TAGS: civil engineering, structural engineering, reinforced concrete

ABSTRACT: The stability conditions of fixed parabolic arches are analysed on the basis of special tests conducted on two identical experimental arches. Both arches being built of the same reinforced concrete had a 10-m span, a rise of 3 m and a 12 x 8 cm cross-sectional area. Each arch was provided with suspended vertical ties dividing the span in 21 panels for carrying evenly distributed trial loads. Three photos are presented showing an intact arch before loading and then demonstrating the deformations observed in two arches after excessive loadings. The experimental results are compared with that obtained by calculations. A classical approach is applied to calculations of allowable loads and stresses. Since concrete is not perfectly elastic, the moduli of elastic and total deformations were calculated by using the data determined in testing concrete specimens. By introducing these moduli, the final formulas are derived and the theoretical and experimental results are favorably compared. Orig. art. has: 3 photos and 9 formulas.

SUB CODE: 13/ SUBM DATE: 24Jan66/ ORIG REF: 004

Card 1/14

VOL'PER, Izraill' Naumovich; NAMESTNIKOV, A.F., kand. tekhn.  
nauk, retsenzent; TIKHONOV, T.V., red.

[Chemistry in the food industry] Khimiia v pishchevoi  
promyshlennosti. Moskva, Pishchevaya promyshlennost',  
1965. 87 p.  
(MIRA 18:8)

VOL'PER, I.

Acidulants. IUn.tekh. 8 no.11:62-64 N '63.

(MIRA 16:12)

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860720011-5

VOL'PER, I.

Healthful oil. Obshchestv.pit. no.8:27 Ag '62. (MIRA 16:10)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860720011-5"

VOL'PER, I.

Breakfast without frying and cooking. Obshchestv. pit. no.7:  
(MIRA 15:10)  
60-61 Jl '62.

(Cookery)

VOL'PER, I.

"Food music." Obshchestv.pit. no.10:57-59 0 '62. (MIRA 15:11)  
(Fruit)

VOL'PER. I.

Food sorbitol in dietary cookery. Obshchestv.pit. no.12:24 D '60.  
(MIRA 13:12)

(COOKERY FOR THE SICK) (SORBITOL)

VOL'PER, I.

Mondamin's gifts. IUn.nat. no. 12:24-26 D '58.

(MIRA 11:12)

(Corn (Maize))

VOLPER, I., inzh.

The fate of a discovery. Znan.ta pratsia no. 8123 Ag 162.  
(MIRA 15:12)

(Starch industry)

VOL'PER, I.

Meat, chemistry and microbes. IUn.nat. no.7:33-34 Jl '62.  
(MIRA 15:8)  
(Feeds)

VOL'PER, I.

Product for which a memorial was erected. Obshchestv. pit.  
no.9:58-59 S '61. (MIRA 14:11)  
(Cheese)

VOL'PER, I.

Attack on the green fortress. IIUn.nat. no.5:34-35 My '62.  
(Photosynthesis) (MIRA 15:7)

VOL'PER, I.

Green factories of protein. IUn. nat. no.1:4-6 Ja '62.  
(MIRA 15:1)  
(Legumes)

VOL'PER, I.

Sunflower. IUn. nat. no.6:24-25 Je '63. (MIRA 16:8)

VOL'PER, I.

From "Cherished Dreams" by D.I.Mendeleev. Obshchestv.pit.  
no.11:60 N '59. (MIRA 13:3)  
(Mendeleev, Dmitrii Ivanovich, 1834-1907)

VOL'PER, I.

Sugar grows in the field. IUn. nat. no. 12:23-25 D '59 (MIR 13:3)  
(Sugar beets)

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CIA-RDP86-00513R001860720011-5

VOL'PER, I.

Dry ice. Obshchestv. pit. no.7:62 J1 '59. (MIRA 12:12)  
(Dry ice)

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CIA-RDP86-00513R001860720011-5"

VOL'PER, I.

Crystals of appetite. Zman.ta pratsia no.11:20-21 N '59.  
(MIRA 13:8)

1. Glavnnyy inzhener Leningradskogo kombinata pishchevykh koncentratov.  
(Glutamic acid)

VOL'PMR. I.

Russian cereals. Obshchestv.pit. no.8:58 Ag '59.  
(MIRA 12:12)

(Cookery (Cereals))

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860720011-5

VOL'PER, I.

Discovery by a French cook. Obshchestv.pit. no.9:61 S '59.  
(MIRA 12:12)

(Food, Canned)

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CIA-RDP86-00513R001860720011-5"

VOL'PER, I.M.

One hundred and fiftieth anniversary of Kirkhof's discovery.  
Sakh.prom. 35 no.6:8-9 Je '61. (MIRA 14:6)  
(Starch) (Sugar)

VOL'PER, I.M.; POPOV, V.I., kandidat tekhnicheskikh nauk, redakter.

[Food industry of the U.S.S.R. in the struggle for abundance  
of feedstuffs] Pishchevaya promyshlennost' SSSR v bor'be za  
izobilie produktov pitaniia. Leningrad, Vses. ob-ve po raspre-  
strameniiu polit. i nauchn. znanii, Leningradskoe otd-nie.  
1954. 31 p. [Microfilm] (MLRA 9:6)

(Food industry)

VOL'PER, I.N.; NELYUBOVA, M.A.

Our efficiency promoters. Kons. i ov. prom. 13 no.9:9-12 8'58.  
(MIRA 11:10)

1. Leningradskiy kombinat pishchevykh kontsentratov.  
(Canning industry--Equipment and supplies)

VOL'PER, I.N.

Concentrated feed of A.IA. Danilevskii. Lens. i sv. prot. 13  
no.12:20-21 D '58. (MIRA 11:12)

1. Leningradskiy kombinat pishchevykh kentsentratorov.  
(Food, Concentrated)  
(Danilevskii, Aleksandr IAkevlevich, 1838-1923)

VOL'PER, I.N.; KASPERSKAYA, T.V.

Effect of sorbitol on food concentrates. Kons. i ov. prom. 13  
no.11:14-15 N '58. (MIRA 11:11)

1. Leningradskiy kombinat pishchevykh kontsentratov.  
(Food--Preservation) (Sorbitol)

MAYKOVA, O.P.; VOL'PER, I.N.

Consumption and physiological value of certain new fats used  
in the production of food concentrates. Trudy LSGMI no.47:  
176-184 '59. (MIRA 12:9)

1. Kafedra gigiyeny pitaniya Leningradskogo sanitarno-gigiyeniche-  
skogo meditsinskogo instituta (zav. kafedroy - dotsent Z.H.Agranov-  
skiy).

(FATS)  
(FOOD, PRESERVATION)

· 30(1)

SCV/25-59-8-42/48

AUTHOR: Volper, I. Docent

TITLE: Food Sorbite

PERIODICAL: Nauka i zhizn', 1959, Nr 8, pp 77 - 78 (USSR)

ABSTRACT: In answer to readers' requests, the author reports on saccharine and sorbite as valuable substitutes for sugar. In 1940, the possibility of using sorbite for the nutrition of diabetics was established by Professor S.M. Ryss of the Leningradskiy sanitarno-gigienicheskiy meditsinskiy institut (Leningrad Sanitary-Hygienic Medical Institute). The author of this article, in co-operation with the engineer T.V. Kasperskaya of the Kombinat pishchevykh kontsentratov (Combine of Food Concentrates), has proved the expediency of applying this substance in the production of food concentrates. The Pervyy Leningradskiy vitaminnyy zavod (The First Leningrad Vitamin Plant) is now producing sorbite for diabetic and dietetic food and other concentrates.

Card 1/2

SOV/25-59-3-42/48

Food Corbite

ASSOCIATION: Kafedra obshchey tekhnologii Leningradskogo tekhnologicheskogo instituta pishchevoy promyshlennosti (Chair of General Technology of the Leningrad Technological Institute for the Food Industry)

Card 2/2

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860720011-5

*Vel'vEe, I.*  
VOL'PER, I.

The wonderful liquid. IUn.nat.no.12:13-15 D '57. (MIRA 10:12)  
(Milk)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860720011-5"

VOL'PM, I.M.

Effect of novocaine on the course of vaccinal reaction following  
the administration of polyvaccine NIISI. Zhur. mikrobiol.,  
epid. i immun. 27 no.1:62-63 Ja '56 (MLRA 9:5)

(VACCINES AND VACCINATIONS,  
polyvaccine NIISI, eff. of procaine on post-vacc. reactions  
(Rus))

(PROCAINE, effects,  
on post-vacc. reactions after application of polyvaccine  
NIISI (Rus))

USSR / General Problems of Pathology. Immunity.

U

Abs Jour: Ref Zhur-Biol., No 11, 1958, 51483.

Author : Volpe, I. M.

Inst : Not given.

Title : The Effect of Anesthesia of the Site of Vaccination on the Development of the Vaccination Reaction.

Orig Pub: Byol eksperim. biol. i meditsiny, 1957, 44, 89-92.

Abstract: In subjects, vaccinated with a polyvaccine (PV) containing 1% novacaine, the vaccination reaction was observed to be more intense than in controls. An intense general reaction was observed in 1.06% of cases and in 3% of controls, a moderate reaction - in correspondingly 4.86 and 11%; a weak general reaction in 11 and 24.5% of the cases.

Card 1/2

USSR / General Problems of Pathology. Immunity.

U

Abs Jour: Ref Zhur-Biol., 11, 1958, 51483.

Abstract: It was demonstrated in experiments on rabbits, immunized with PV, that addition of 4% of novocaine to PV did not lower the agglutination titer.

Card 2/2

5

BUKHARIN, V.V., inzh.; KOLPAKOV, I.P., kand. tekhn. nauk; ZAREMBO, G.V.,  
kand. tekhn. nauk; VOL'PER, I.N., inzh.

Review of A.V. Titov's book "Over-all mechanization in oil  
mills." Masl.-zhir. prom. 29 no.8:37-42 Ag '63. (MIRA 16:10)

VOL'PER, D.B., kand. tekhn. nauk (Dnepropetrovsk); MORGAYEVSKIY, A.B.,  
doktor tekhn. nauk (Dnepropetrovsk)

Dynamic effect of a moving load at high speeds. Issl. po teor.  
sooruzh. no.12:21-42 '63. (MIRA 16:6)

(Structures, Theory of)

KAZANSKAYA, Lyudmila Nikolayevna, kand. biolog. nauk; VOL'PER, I.N., dots.,  
red.; SHILLING, V.A., red. izd-va; GVIERTS, V.L., tekhn. red.

[Role played by vitamins in increasing the food value of bakery and  
confectionery products; transcript of a report presented at the  
Leningrad Center for Scientific and Technical Propaganda at a seminar  
of baking industry workers] Znachenie vitaminov v povyshenii pishche-  
voi tsennosti khlebobulochnykh i konditerskikh izdelii; stenogramma  
doklada, prchitannogo v LDNTP na seminare rabotnikov khlebopekarnoi  
promyshlennosti. Pod red. I.N.Vol'pera. Leningrad, Leningr. Dom  
nauchno-tekhn. propagandy, 1961. 35 p. (MIRA 14:7)  
(Baked products) (Vitamins)

VOL'PER, I.N., inzh.; POLYAKOV, S.A.

Pneumatic unloader for cottonseeds. Masl.-zhir. prom. 29  
no.5:41-43 My '63. (MIRA 16:7)

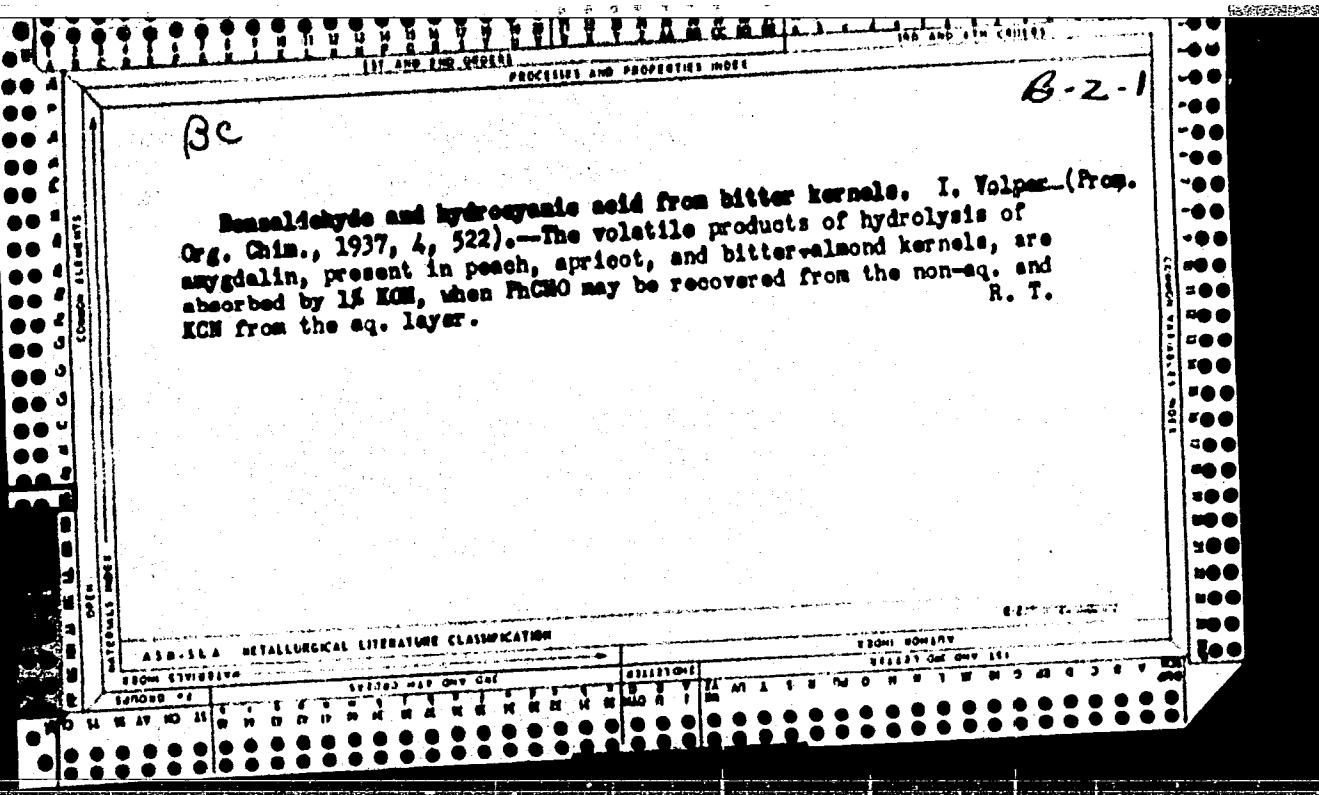
1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov.  
(Cottonseed) (Pneumatic conveying)

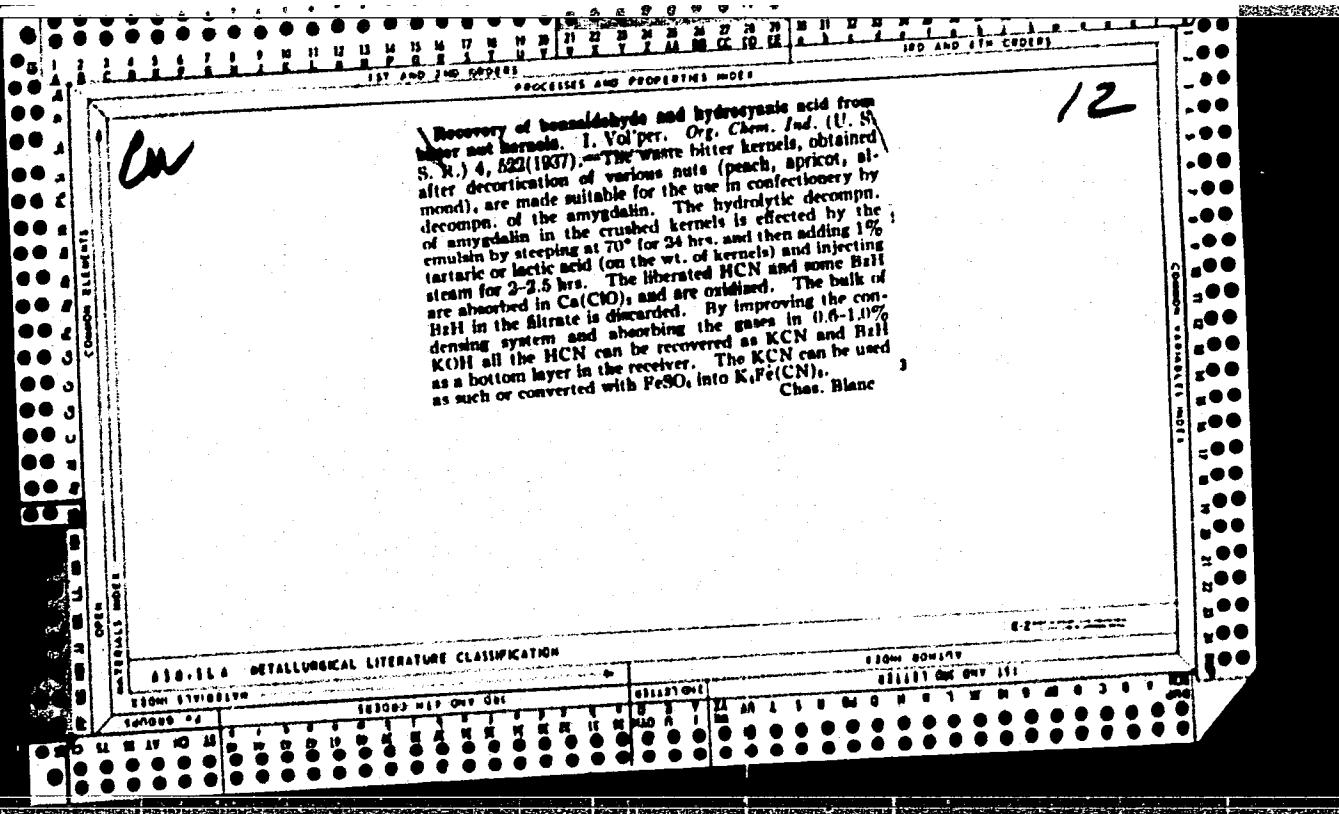
macrostructural changes in pig skins and cow hides during liming and softening. G. Volper, Kirovograd Oblastnoy Prov., S. S. R. 19, No. 12, 48-53 (1956).—The first effect of liming is observed in the epidermis of the epidermis from the derma. It is followed by loosening of the hair root from the papilla. Treatment with pure  $\text{Ca}(\text{OH})_2$  effects a goodarpa. of the collagen clusters in pig skins and a fair effect in cow hides. Treatment with  $\text{Na}_2\text{S}$  (4 g. per l.) effectedarpa. of collagen clusters in pig skins but not in cow hides. Histological studies are appended. A. A. Podgorny

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ASB-SEA METALLURGICAL LITERATURE CLASSIFICATION

451-1000000000





VOL'PER, I.

Miraculous accelerators. IUn. nat. no.12:4-6 D '61. (MIRA 15:1)  
(Gibberellin)

VOL'PER, I.

The preserved freshness. IUn.nat. no.10:18-20 0 '60.  
(MIRA 14:4)  
(Canning and preserving)

VOL'PER, I., inzh.

Proteins... cut of air and coal. Znan. to pratsia no. 2:13-14 F '61.  
(MIRA 14:5)

(Proteins) (Urea)

VOL'PER, I.

Meat without bones. IUn. nat. no.7:22-23 Jl '61. (MIRA 14:7)  
(Soyboan)

VOL'PER, I.

Earth apples. IUn. nat. no. 9:22-25 S '61.  
(Potatoes)

(MIRA 14:8)

VOL'PER, I., dots.

Powdered fats. Tekh.mol. 28 no.8:12 '60. (MIRA 13:9)

1. Kafedra obshchey tekhnologii Leningradskogo tekhnologicheskogo  
instituta pishchevoy promyshlennosti.  
(Oils. and fats)

VOL'PER, I.

Lomonosov on food and eating. Obshchestv. pit. no.11:52-53 N '61.  
(MIRA 15:2)

(Lomonosov, Mikhail Vasil'evich, 1711-1765)  
(Food)

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CIA-RDP86-00513R001860720011-5

VOLPER, I.

Cooking fats. Obshchestv.pit. no.5:19-20 My '62. (MIRA 15:5)  
(Oils and fats, Edible)

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CIA-RDP86-00513R001860720011-5"

VOL'PER, I.

Jubilee of molasses. Obsnchest.pit. no.3:61 Mr '62. (MIRA 15:4)  
(Molasses) (Kirkhof, Konstantin Sigizmundovich, 1764-1833)

VOL'PER, I., dotsent

valuables but not waste. NTO 3 no.12:20-22 D '61. (MIRA 15:1)

1. Chlen Leningradskogo pravleniya nauchno-tehnicheskogo  
obshchestva pishchevoy promyshlennosti,  
(Waste products) (Farm produce)

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860720011-5

VOL'PER, I.

Natural ( $C_6H_{10O_5}$ )polymer. Obshchestv.pit. no.1:58-60 Ja '63.  
(MIRA 16:4)  
(Starch)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860720011-5"

VOL'PER, I.M., inshener.

Deodorization of oils is a Russian discovery. Minsk-shir.prom. 18 no. 10:10-  
11 '53. (MLRA 6:11)

1. Leningradskiy kombinat pishchevykh kontsentratov. (Oils and fats)

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860720011-5

VOL'PER, I.M.

Sorbite. Zdorov'e 8 no. 3:31 Mr '62.  
(SORBITOL)

(XIRA 15:4)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860720011-5"

VOL'PER, I.M.

First synthesis of sugar substance; on the centennial of A.M.  
Butlerov's synthesis. Sakh.prom. 35 no.7/13-14 Jl '61.  
(MIRA 14:7)

(Butlerov, Aleksandr Mikhailovich, 1828-1886) (Sugars)

VOL'PER, I.N.

"APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860720011-5"  
Increase the creative activity of factory laborers  
12 no.9:42-43 S '57. (MIRA 10:10)

1. Leningradskiy kombinat pishchevykh kontsestratov.  
(Food--Analysis) (Chemical laboratories)

VOL'PER, I.N.

Powdered fat for food concentrates. Kons. i ov.prom. 15  
no. 4:19-20 Ap '60. (MIRA 13:6)

1. Voronezhskiy tekhnologicheskiy institut.  
(Food, Concentrated) (Oils and fats, Edible)

VOL'PER, I.N.; SHAPIRO, A.M.

Treatment of diabetics with sorbitol concentrates. Kons. 1  
ov. prom. 16 no.6:24-25 Je '61. (MIRA 14:8)

1. Leningradskiy tekhnologicheskiy institut pishchevoy  
promyshlennosti (for Vol'per). 2. Leningradskiy kombinat  
pishchevykh kontsentratov (for Shapiro).  
(Diabetes) (Sorbitol)

VOL'PER, I.N., inzh.

Mechanization of loading and unloading in the oil and fat industry. Mekh. i avtom. proizv. 18 no.1:7-9 Ja '64.  
(MIRA 17:8)

VOL'PER, I.N. (Leningrad)

A.N. Beketov on food and nutrition. Vop.pit. 19 no.4 1872-74  
(MIRA 13:11)  
Jl-Ag '60.  
(NUTRITION) (BEKETOV, ANDREI NIKOLAEVICH, 1825-1902)

VOL'PER, I. (Leningrad)

Chemistry in the food industry. Nauka i zhizn' 28 no. 5:76-77 May '61.  
(MIRA 14:6)  
(Food additives)

VOL'PER, Izrail' Naumovich, inzh.-khimik; ALEKSEYeva, A., red.;  
VOlyntseva, V., tekhn. red.

[Great chemistry] Bol'shaya khimiia. Moskva, Molodaia gvardiia,  
1961. 158 p. (MIRA 15:7)  
(Chemical industry)

VOL'PER, Izrail' Naumovich; SADOVYY, I.Ye., prof., doktor tekhn.nauk,  
red.; GVIETS, V.L., tekhn.red.

[Main trends in the development of the food industry of the  
U.S.S.R. in the seven-year plan; verbatim report] Ob osnovnykh  
napravleniakh razvitiia pishchevoi promyshlennosti SSSR v semi-  
letnem plane; stenogramma doklada. Pod red. I.N.Sadovogo.  
Leningrad, Leningr.dom nauchno-tekhn.propagandy, 1960. 29 p.  
(MIRA 14:4)

(Food industry)

VOL' PMR. I.

Food acids. Obshchestv.pit. no.10:47-48 O '60. (MIRA 13:11)  
(Food--Analysis) (Acids, Organic)

VOL'PER, I.N.

History of food preservation in Russia. Kons.1 ov. prca. 16 no.2:  
28-29 F '61. (MIRA 14:4)

1. Leningradskiy tekhnologicheskiy institut pishchevoy promy-  
shlennosti.  
(Food--Preservation)

GRIBANOV, Nikolay Nikolayevich; VOL'PER, I.N., dots., red.;  
GRIGOR'YEVA, I.S., red. izd-va; BELOGUROVA, I.A., tekhn. red.

[Container industry of Great Britain (personal impressions);  
verbatim account of a report] Taro-upakovochnaia promyshlen-  
nost' Anglii (po lichnym vpechatleniyu); stenogramma dokla-  
da. Leningrad, Leningr. dom nauchno-tekhn.propagandy, 1962.  
44 p. (MIRA 15:8)

(Great Britain—Container industry)

VOL'PER, I.N.

Technology of meat concentrates and N.N.Zinin. Kons.i ov.prom 17  
no.12:24 D '62. (MIRA 15:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov.  
(Zinin, Nikolai Nikolaevich, 1812-1880) (Food, Concentrated)